



Research Data Management Workshop Mission: Raising Awareness of Data Danger Zones

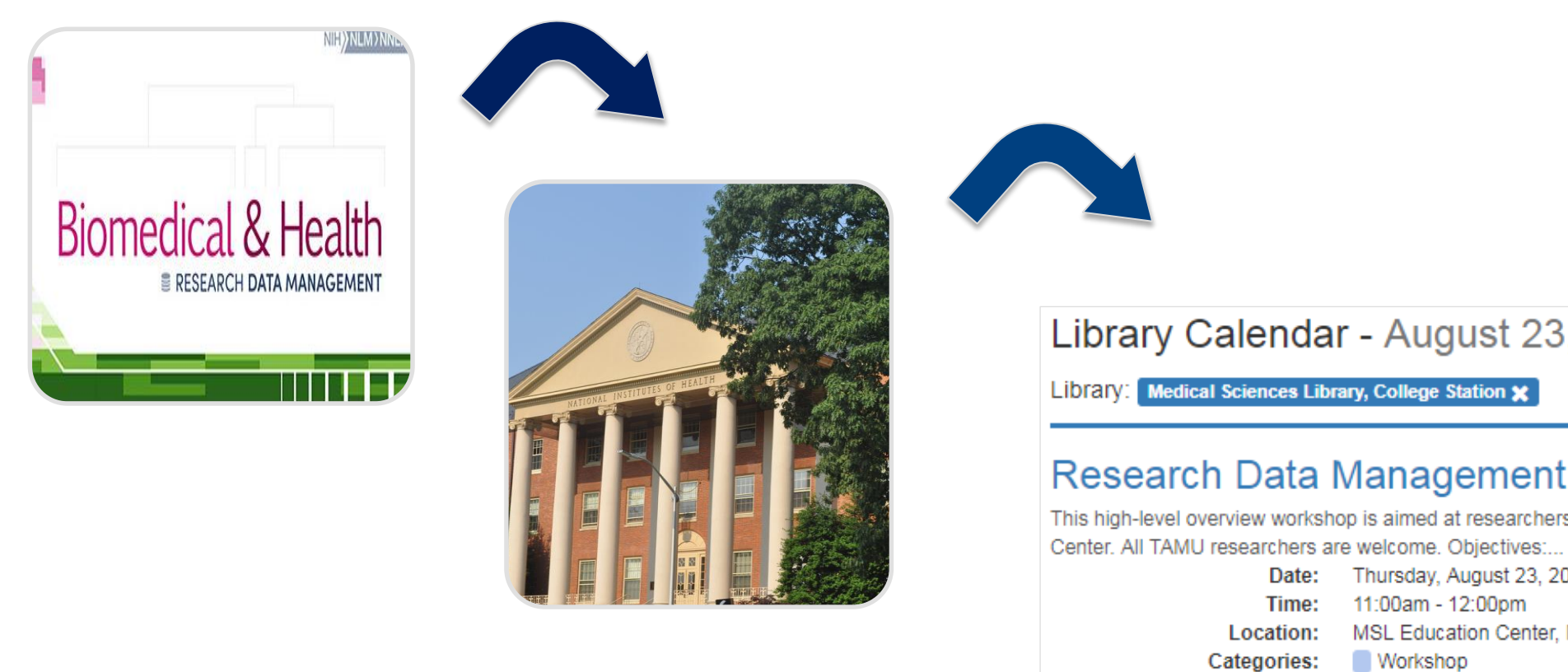


Sheila Green, MSLS

Texas A&M University Medical Sciences Library

Mission

Plan and complete a Capstone Project for the NNLM Biomedical and Health Research Data Management (RDM) for Librarians course -- teach an RDM workshop for Texas A&M Health Science Center graduate students, postdocs and research faculty by August 2018



Setting

Graduate Studies, Postdoctoral Affairs and Faculty Development leadership were enthusiastic about a general RDM workshop.

Concepts, standards and content were unclear given the variety of locations and research topics.

Scope was shifted to

- raise awareness of issues or “danger zones” that arise with poor data management
- highlight solutions for security, data and workflow documentation, backup, archiving and preservation
- solicit participant feedback for areas most essential for future workshops, resources and consultation

Development and Promotion

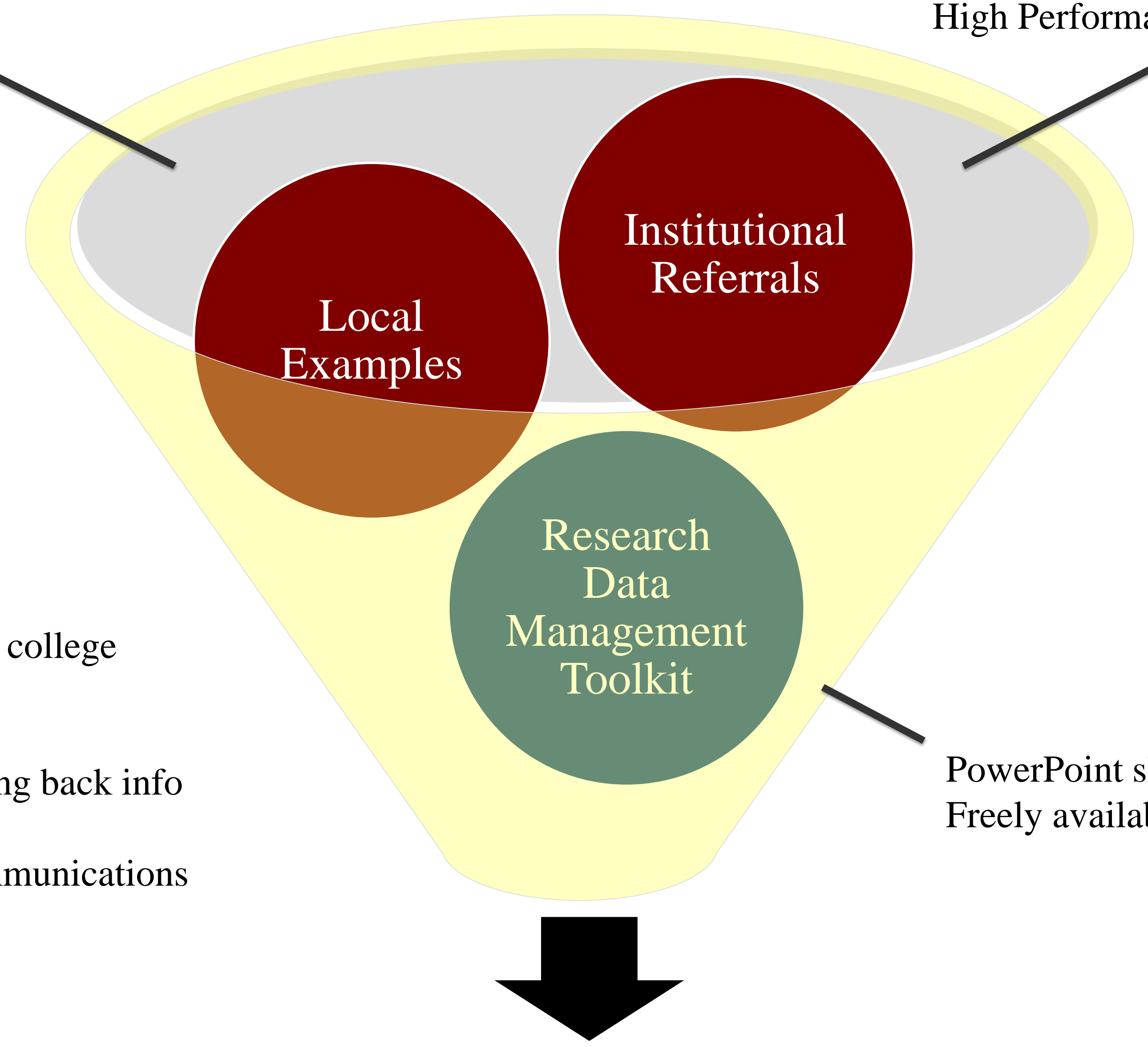
Modify an existing teaching toolkit, insert local attention-grabbing examples, refer out to subject matter experts elsewhere in the institution, and adjust content in the toolkit for local institution and resources.

Fire in the lab
System regulation for “significant” IT equipment
Retractiondatabase.org

Office of Information Technology
Statistics Collaboration Center
High Performance Research Computing

Promotion tactics

- ✓ Five minutes in HSC and college department meetings
- ✓ Send lab personnel to bring back info
- ✓ HSC Marketing and Communications



PowerPoint slides and script
Freely available and may be customized

RDM: Avoiding Data Danger Zones Workshop

Outcomes

Twenty-two attendees from four colleges consisting of graduate students, postdocs, faculty, staff, and an undergraduate, including an entire lab that was shut down to attend the workshop.

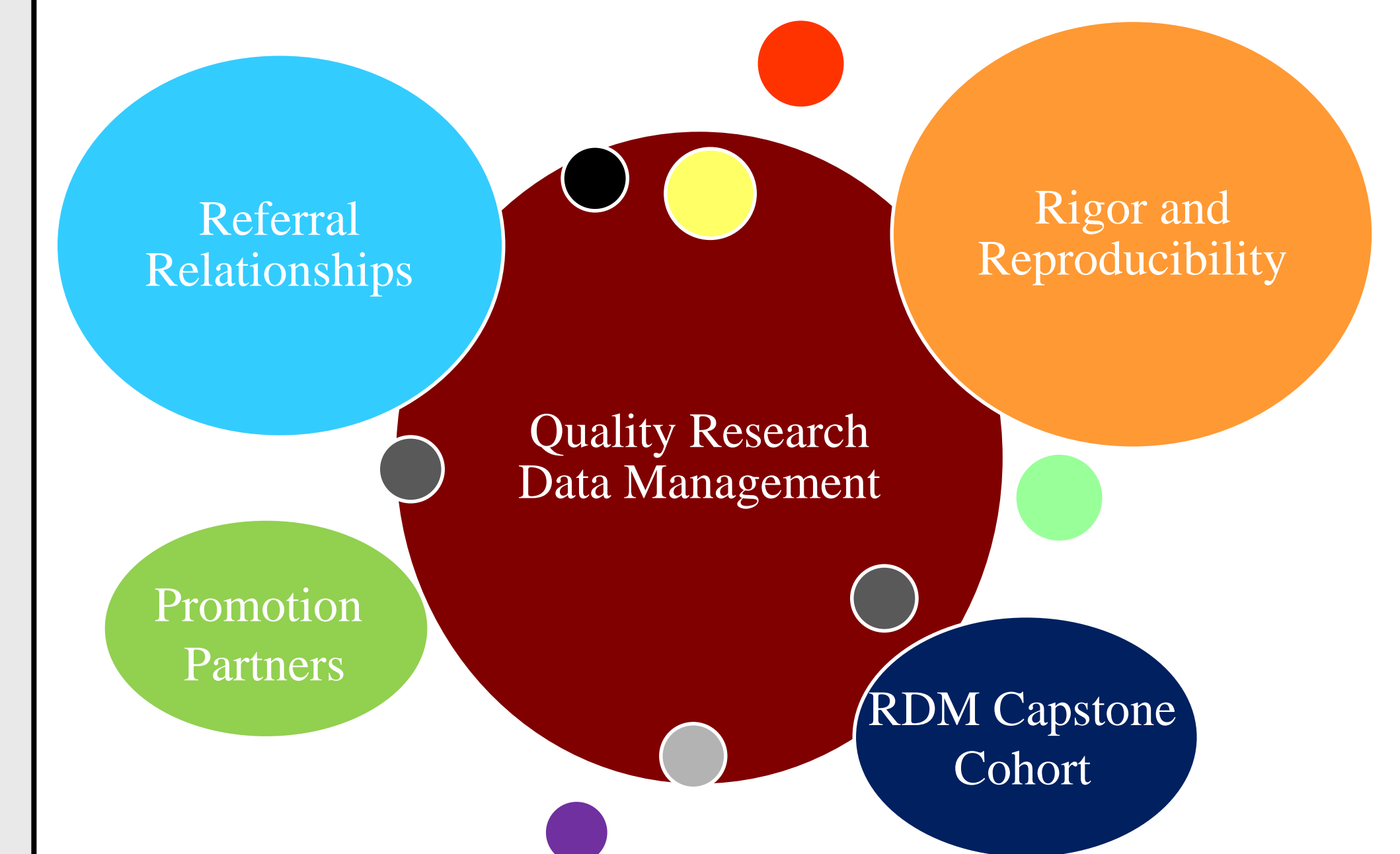
Most wanted more information on the basics – file and data organization, documenting workflows and processes, and the ability to retrieve the right data if results are challenged.

Data management planning and various data manipulation tools were not high on the interest list.

Next Steps

Broadcast of workshop to all HSC campuses in October 2018. Feedback will further inform future offerings.

Build on relationships made during development, promotion and presentation of the workshop – NNLM class cohort, IT, Marketing and Communications, main campus resources, HSC leadership interested in rigor and reproducibility issues.



Acknowledgments

Course supported by the National Library of Medicine of the National Institutes of Health under Award Number UG4LM012344-02 Revised. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.

Esther Carrigan, MLS, AHIP, Associate Dean and Director of Texas A&M University Medical Sciences Library for her institutional support.

Anna Dabrowski, MSc for her help planning the workshop.

References

Read, Kevin and Surkis, Alisa. "Research Data Management Toolkit." figshare, https://figshare.com/articles/Research_Data_Management_Teaching_Toolkit/5042998.

Retraction Watch. (2018). Retraction watch database. Retrieved from <http://retractiondatabase.org/RetractionSearch.aspx?>

Further information



orcid.org/0000-0002-1614-061X

sgreen@tamu.edu